

General Purpose Strain Gages - Rectangular Rosette

GAGE PATTERN DATA			
<p>actual size</p>	<p>GAGE DESIGNATION</p> <p>See Note 1, 3</p>	<p>RESISTANCE (OHMS)</p> <p>See Note 2</p>	<p>OPTIONS AVAILABLE</p> <p>See Note 3</p>
	<p>EA-XX-125RA-120 EK-XX-125RA-350 WA-XX-125RA-120 WK-XX-125RA-350 EP-08-125RA-120 SA-XX-125RA-120 SK-XX-125RA-350</p>	<p>120 ± 0.2% 350 ± 0.2% 120 ± 0.4% 350 ± 0.4% 120 ± 0.2% 120 ± 0.4% 350 ± 0.4%</p>	<p>W, E, L, LE W, SE W* W*</p>
<p>DESCRIPTION General-purpose three-element 45° rectangular rosette. Compact geometry. See also 125RD and 125UR patterns. EK-Series gages are supplied with duplex copper pads (DP) when optional feature W or SE is not specified.</p>			

GAGE DIMENSIONS					
Gage Length	Overall Length	Grid Width	Overall Width	Matrix Length	Matrix Width
0.125 ES	0.275 CP	0.062 ES	0.424 CP	0.39	0.46
3.18 ES	6.99 CP	1.57 ES	10.77 CP	9.9	11.7

Legend: ES = Each Section, S = Section (S1 = Sec 1), CP = Complete Pattern, M = Matrix

inch / millimeter

GAGE SERIES DATA			
See Gage Series data sheet for complete specifications.			
Series	Description	Strain Range	Temperature Range
EA	Constantan foil in combination with a tough, flexible, polyimide backing.	±3%	-100° to +350°F [-75° to +175°C]
EK	K-alloy foil in combination with a tough, flexible polyimide backing.	±1.5%	-320° to +350°F [-195° to +175°C]
WA	Fully encapsulated constantan gages with high-endurance leadwires.	±2%	-100° to +400°F [-75° to +205°C]
WK	Fully encapsulated K-alloy gages with high-endurance leadwires.	±1.5%	-452° to +550°F [-269° to +290°C]
EP	Annealed constantan foil with tough, high-elongation polyimide backing.	±20%	-100° to +400°F [-75° to +205°C]
SA	Fully encapsulated constantan gages with solder dots.	±2%	-100° to +400°F [-75° to +205°C]
SK	Fully encapsulated K-alloy gages with solder dots.	±1.5%	-452° to +450°F [-269° to +230°C]

Note 1: Insert desired S-T-C number in spaces marked XX.

Note 2: Tolerance is increased when Option W, E, SE, LE, or P is specified.

Note 3: Products with designations and options shown in bold are not RoHS compliant.

*Options available but not normally recommended. See Optional Features data sheet for details.

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